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<110> Max-Delbruck-Centrum fur Molekulare Medizin

<120> Novel Sequence Variants of the Human Beta 2-Adrenergic Receptor Gene and Use Thereof

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sub E2
<140> US 09/582,719

<141> 2000-06-29

<150> PCT/DE98/03818

<151> 1998-12-30

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<212> DNA

<213> human genomic clone

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<223> variant of the human beta2-adrenergic receptor gene with mutations in positions 159, 245, 565, 934, 1120, 1221, 1541, 1568, 1633, 1666, 1839, 2078, 2110, 2640, 2826

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<222> (1)..(3451)

<223> variant of the human beta2-adrenergic receptor gene with mutations in positions 1541, 1633, 1666

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<223> variant of the human beta2-adrenergic receptor gene with mutations in positions 1541, 1633, 1666

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<221> mutation

<222> (1)..(3451)

<223> variant of the human beta2-adrenergic receptor gene with mutations in positions 1541, 1568, 1633, 1666

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<221> mutation

<222> (1)..(3451)

<223> variant of the human beta2-adrenergic receptor gene with mutations in positions 1541, 1568, 1633, 1666

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<211> 3451

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<220>

<221> mutation

<222> (1)..(3451)

<223> variant of the human beta2-adrenergic receptor gene with mutations in positions 1541, 1568, 1633, 1666

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<223> primer ADRBR-F1 for amplification of fragment I

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<210> 9

<211> 23

<212> DNA

<213> Artificial

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<222> (1)..(23)

<223> primer ADRBR-R1 for amplification of fragment I

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<212> DNA

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<223> primer ADRBR-F8 for amplification of fragment VIII

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21

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<211> 28

<212> DNA

<213> Artificial

<220>

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<222> (1)..(28)

<223> primer ADRBR-R8 for amplification of fragment VIII

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28

<210> 16

<211> 20

<212> DNA

<213> Artificial

<220>

<221> primer_bind

<222> (1)..(20)

<223> primer ADRBR-F4 for amplification of fragment IV

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20

<210> 17

<211> 21

<212> DNA

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<222> (1)..(21)

<223> primer ADRBR-R4 for amplification of fragment IV

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21

<210> 18

<211> 22

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<213> Artificial

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<222> (1)..(22)

<223> primer ADRBR-F7 for amplification of fragment VII

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22

<210> 19

<211> 23

<212> DNA

<213> Artificial

<220>

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<222> (1)..(23)

<223> primer ADRBR-R7 for amplification of fragment VII

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23

<210> 20

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<222> (1)..(17)

<223> primer ADRBR-F5 for amplification of fragment V

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17

<210> 21

<211> 18

<212> DNA

<213> Artificial

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<222> (1)..(18)

<223> primer ADRBR-R5 for amplification of fragment V

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18

<210> 22

<211> 22

<212> DNA

<213> Artificial

<220>

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<222> (1)..(22)

<223> primer ADRBR-R6 for amplification of fragment VI

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22

<210> 23

<211> 26

<212> DNA

<213> Artificial

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<221> primer_bind

<222> (1)..(26)

<223> primer ADRBR-R6 for amplification of fragment VI

<400> 23
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26

sub F2
cont.

C1
Cmt